

Vannevar Bush '16 Appointed First Vice-President of Institute

CO-EDS PETITION FOR PERMISSION TO GO TO CIRCUS

Claim All Technology Students
Should Be Allowed To
Participate

SAY RULE IS AN INJUSTICE

Committee Chairman Refuses To
Express Any Opinion
On Question

Technology coeds will be allowed to attend the Tech Circus if a petition received yesterday by the chairman of the Circus Committee is granted. Addressed to the Committee and signed by a number of coeds, the petition requests that the rule which makes the Circus a stag affair be abolished so that coeds may participate in the next Circus to be held April 1.

If this request is granted women will be present for the first time in the long history of the Circus. The origin of the custom of barring females is not known but at the last affair, held three years ago, and at every previous Circus the rule was strictly enforced.

Call Rule Injustice

The coeds believe it is an injustice to exclude them because of their sex, from an affair which they think should be open to all students. They stated that they are willing to support the Circus and cannot understand why they should be refused admission.

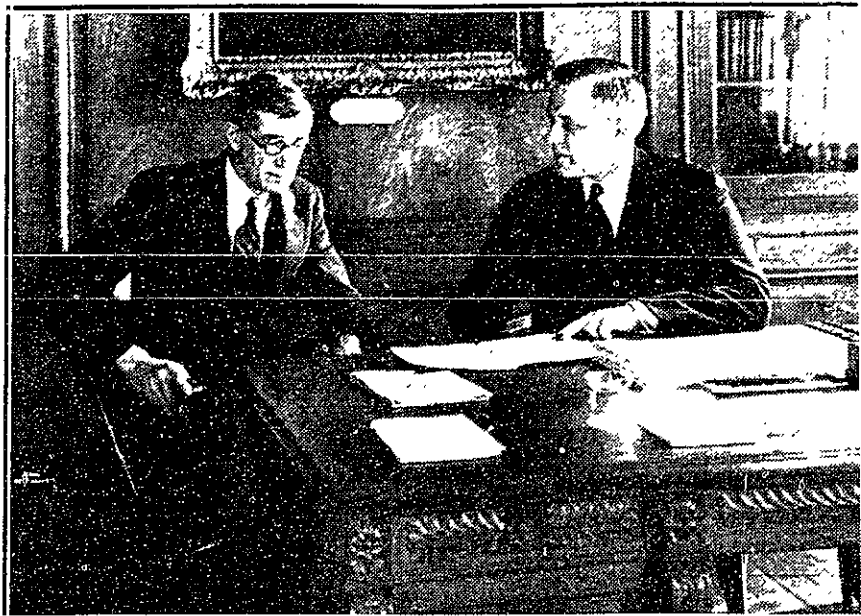
No action has yet been taken on the question by the Circus Committee and the chairman was unwilling last night to comment on the probable decision of the body. A meeting will be held within the next few days to consider the request. Following is the text of the petition:

"We, the undersigned coeds of the Massachusetts Institute of Technology, hereby petition the Circus Committee to allow Tech's coeds to attend the Circus.

"We think it is an injustice to limit this affair, which is supposed to be for the entire student body, solely to the male students of the Institute. We realize that although, in the past, this event has been closed to us, it has always been against our wishes. We can see no reason for excluding our sex who are eager to support the Circus to the full extent of our ability."

The names of the signers were withheld by the Committee.

NEW VICE-PRESIDENT OF TECHNOLOGY CONFERRING WITH PRESIDENT COMPTON



DR. VANNEVAR BUSH '16 AND DR. COMPTON

ST. PATRICK'S DAY DANCE IS PLANNED BY CATHOLIC CLUB

Art Marshall's Band Will Play
In Walker Main Hall
From Nine to One

EXPECT LARGE CROWD

With the approach of Saint Patrick's Day, interest and curiosity in regard to the annual Acquaintance Dance given under the auspices of the Technology Catholic Club are on the increase. Students have for some time seen posted on bulletin boards around the Institute posters advertising this coming event, but THE TECH is the first to actually abridge this meagre information with releases personally given them by those in charge of the dance.

Catholic Clubs Invited

Invitations have been sent out to all of the Catholic and Newman Clubs in Massachusetts. Among those invited are: Janet Stuart Club of Boston University, Newman Clubs of Framingham Normal, Boston University Evening Club, Boston University College of Engineering Administration, Emerson, Wellesley, Jackson, Radcliffe, Harvard, and Simmons.

The dance will be held in the Main Hall of Walker Memorial, Saint Patrick's Day, March 17. Dancing will continue from 9 until 1 o'clock. Tickets are now on sale; they may be secured for the price of 75 cents a single, or \$1.50 per couple.

Art Marshall to Furnish Music

The band furnishing the music at the Saint Patrick's Day Dance is the same orchestra which played last year at the Fall Acquaintance Dance, packing Walker with more than three hundred and fifty couples, a record which has never since been broken. The orchestra is led by Art Marshall, who is without a peer as a violinist in any New England college. Ten pieces comprise the orchestra. A surprise musical specialty will be rendered by a lady student from the Boston Conservatory of Music.

The Dance Committee is headed by William G. Brockmann '34 and William D. Murphy '33. They are assisted by Harry Egan '34, and Andy Anderson '34.

Institute Committee Votes Objection To Filter Paper Issue

Edward L. Wemple Is Appointed
To Junior Board Of The
Walker Committee

At one of the shortest meetings in months, the Institute Committee last night voted to accept the recommendation of the Executive Committee that it go on record as opposed to the publication of a *Filter Paper* this year. The reason advanced for this action was that there is grave danger this year of financial trouble resulting from such publication.

Approval was given to the appointment of Edward L. Wemple '33 to the Junior Division of the Walker Memorial Committee. Wemple was named by the Executive Committee to replace James E. Turner '33, who left the Institute in February. This action was necessary to make the competition for Senior positions legal, since there has been but one man, James P. Mills '33, in the Junior competition. Louis P. Holladay III was appointed as chairman of the Freshman Rules Committee.

Request was made by the Committee that THE TECH publish, in accordance with the regulations and by-laws of that body, the names of those men not present at the regular meeting of the Committee. The following men were absent from the meeting last night: Edward D. Stevens, Jr. '32, and Arthur N. Rinehimer '32.

Sammy Liner Plays At Beaver Key Dance

Tickets For Junior Week Final
Are On Sale For First
Time Today

Sammy Liner's band, which plays this evening for the dormitory depression dance, has been engaged to provide music for the Beaver Key Dance, which will be held the day after the Junior Prom in the Main Hall of Walker Memorial. This dance will be in the form of a tea dance and will be conducted by the Beaver Key Society for the first time, it having been given formerly by the Corporation. The dance is scheduled to last from 3.30 to 6.30 o'clock in the afternoon.

DR. COMPTON ANNOUNCES PLANS FOR SUBDIVIDING INSTITUTE INTO SCHOOLS

Will Form School of Engineering, School of Science, School of Architecture, Division of Humanities, and Division of Industrial Cooperation -- Explicit Recognition of Graduate School under New Academic Organization.

Appointment of Dr. Vannevar Bush '16 as vice-president of Technology was announced by President Karl T. Compton following the regular meeting of the Corporation of the Institute Wednesday afternoon. Dr. Bush has been a member of the Faculty of Electrical Engineering since 1923, and is noted for his achievements in research and contributions to technical education. With his appointment as vice-president, Dr. Bush also was elected a member of the Corporation.

In announcing Dr. Bush's elevation to the position of second in command at the Institute, President Compton revealed plans for the subdivision of Technology into the School of Science, the School of Engineering, the School of Architecture, the Division of Humanities, and the Division of Industrial Cooperation. He announced the selection of Dr. Samuel C. Prescott, head of the department of Biology and Public Health, as Dean of Science, and Professor William Emerson, head of the department of Architecture, as Dean of Architecture. In addition to his duties as vice-president, Dr. Bush will be Dean of Engineering.

Another important feature of the new academic organization is explicit recognition of the Graduate School, under which all advanced work at the Institute will be administered.

In a statement issued after the meeting of the Corporation, President Compton said:

"The new plan of administrative organization of the Institute adopted by the Corporation is a natural extension of the administrative plan begun two years ago with the appointment of a chairman of the Corporation as well as a president of the Institute.

"The subdivision of the Institute, for administrative purposes, into the School of Engineering, the School of Science, the School of Architecture, the Division of Humanities, and the Division of Industrial Cooperation, recognizes the five major aspects of its work. The three schools comprise those departments of study in which degrees are given, whereas the two divisions are essentially 'service' divisions. That of the Humanities is designed to give to our students that further cultural training and background which we deem an essential part of a well-balanced training. The Division of Industrial Cooperation is designed to make as effective as possible the assistance which the Institute renders in a variety of ways to business and industry in solving their technical problems. While the outstanding position of the Institute in the field of engineering education is generally recognized, its equally strong position in science and architecture is probably not so widely known, since these activities are not explicitly indicated in the name of the Institute.

Explicit Recognition of Graduate School

"An important feature of this new organization is the explicit recognition of the Graduate School. The Institute has awarded approximately one-third of all the advanced degrees in engineering given in this country, and in certain departments, notably chemical engineering, electrical engineering, and aeronautical engineering, has awarded approximately one-half of all the advanced degrees. With

every indication that this feature of our work is becoming relatively more and more important, it has seemed advisable to provide adequately for its recognition and its constructive administration through the establishment of a Graduate School embracing engineering, science, and architecture.

"Although thus divided into these schools for the purposes of administration and administrative responsibility, the faculty as a whole will continue to be the final authority in matters of educational procedure.

"Because of their high standing in their professions, their thorough knowledge of the affairs of the Institute and their personal qualifications, I believe that the addition of Deans Bush, Prescott, and Emerson to the administrative staff will result in a marked increase in the amount and quality of the service which this Institute can render through its work in education and in the advancement of knowledge."

The new organization provides for an administrative council, an informal organization which will hold weekly meetings in order that all its members may be kept fully informed of progress in various departments of the Institute. This council will consist of President Compton, Vice-President Bush, members of the Executive Committee of the Corporation, Dean of Science Samuel C. Prescott, Dean of Architecture William Emerson, the president of the Alumni Association, chairman of the Faculty Frederick S. Woods, Bursar Horace S. Ford, Professor Charles L. Norton, Director of the Division of Industrial Cooperation, Dean of Graduate Students H. Manley Goodwin, and Dean of Students Harold E. Lobdell.

The School of Science includes biology and public health, chemistry, geology, general science, mathematics, and physics.

(Continued on page three)

Junior Prom Signups Are Closed Until Monday at 9

From the time this issue of THE TECH appears on the stands until next Monday morning, there will be no opportunity for redemption of Junior Prom signups or for further reservations, it was stated by Richard L. Fossett '33, chairman of the committee in charge.

Beginning at 9 o'clock on Monday morning, there will be a period of three hours in which the delinquent holders of signups may still redeem them. For the benefit of anyone interested, the committee said that they had vacancies for about fifteen men at different tables through Main Hall and that first come first served would be the rule of the day on Monday.

A Record
of Continuous
News Service for
Over Fifty Years



Official News
Organ of the
Undergraduates
of M. I. T.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MANAGING BOARD
J. G. Hayes '33.....General Manager
B. H. Whitton '33.....Editor
D. H. Clewell '33.....Managing Editor
D. B. Smith '33.....Business Manager

ASSOCIATE BOARD
C. S. Dadakis '34.....News Editor
W. L. Wise, Jr. '34.....Features Editor
W. Gregg Fry '34.....Make-up Editor
H. R. Plass '34.....Sports Editor
W. R. Churchill '34.....Advertising Manager
N. B. Krim '34.....Business Service Mgr.
W. Brown '34.....Circulation Manager

EDITORIAL DEPARTMENT
Editorial Board
C. W. Sweetser '33 W. L. Sheppard '33
F. W. Wehmiller '33 F. W. Kressman '33

Night Editors
Paul Cohen '34 P. A. Daniel '34
D. Horvitz '34 T. M. Rimbach '34

Photographic Staff
D. A. Robbins '34

Reporters
I. S. Banquer '35 M. H. Weiss '35
H. H. Dow '35 M. Hecht, Jr. '35
J. P. Mather '35 J. M. Kilroy '35
J. S. Slosson '35 H. S. Mason '35
S. T. Orton, Jr. '35 W. H. Stockmayer '35
R. B. Woolf '35 R. E. Stanfield '35

OFFICES OF THE TECH
Walker Memorial, Cambridge, Mass.
News and Editorial—Room 3, Walker
Telephone, University 7029
Business—Room 302, Walker
Telephone, University 7415
Printers' Telephone, University 5650

SUBSCRIPTION PRICE \$2.50 per Year
Published every Monday, Wednesday and
Friday during the College year, except
during College vacations

Entered as Second Class Matter at the
Boston Post Office
Member Eastern Intercollegiate
Newspaper Association

BUSINESS SERVICE DEPARTMENT
B. Goldfarb '34, Associate Manager
J. D. Hossfeld '35

CIRCULATION DEPARTMENT
J. L. DuRoss '35

ADVERTISING DEPARTMENT
A. M. Heintz '34, Associate Manager
J. L. Fisher '35 W. H. Rostan '35

In Charge of this Issue: M. Hecht, Jr., '35

FOR A GREATER TECHNOLOGY

THE action taken by the Corporation of the Institute at its meeting Wednesday afternoon came as a distinct surprise to the student body, but the changes enacted in the administrative system are recognized as ones that will result in increased efficiency in serving the ends for this School. In addition, the changes are such that certain portions of the Institute will receive better recognition than they have been obtaining while listed as merely parts of the Massachusetts Institute of Technology.

As we understand the action of the Corporation, this latest move is in keeping with the change made two years ago when the office of Chairman of the Corporation was created. With the setting up of the Administrative Council and its weekly meetings, members of the Administration will be able to keep in closer touch with the various departments of the Institute. Better supervision of the departments and closer cooperation should result. Under the new arrangement, however, the authority of the Faculty will remain unchanged, for it will still have the final voice in questions of educational procedure.

The division of the work of the Institute has been made along lines into which the various departments naturally fall, and a recognition of the fact that there are at least three distinct groups of courses appears the part of wisdom. Through this separation it is to be expected that the divisions of Technology which are not associated with the average technical school will receive more recognition, and be able to accomplish more in their respective fields. As the Institute has awarded such a large proportion of the total number of graduate degrees in engineering, distinct recognition of the Graduate School and provision for its constructive administration is an important step.

We have been given to understand that the organization of the Institute has been subject to considerable scrutiny in an effort to determine ways in which it may be simplified. It is our opinion that this action is a step in the right direction; simplification should provide the opportunity for better administration and greater service to the students and the nation at large.

The men who have been chosen to head the new schools and divisions are well qualified for their positions: they are recognized leaders in their professions and they have a thorough knowledge of Institute affairs.

The step has been taken; the Institute has been divided into schools and divisions; leaders of the new groups have been chosen. It remains to be seen what will be the results. We prophesy a greater Technology because of the change.

WELCOME, LADIES?

TECHNOLOGY coeds burst the bonds of tradition yesterday when they petitioned the Circus Committee for their rights as they see them. In no indistinct terms they ask that the Circus, that stronghold of masculinity, be opened to them, and what's more, they say that they are eager to lend their support to the project. In addition, they further say that the event has always been closed to them against their wishes, and that they can see no reason for the stand of the Committee in refusing admission to those of the fair sex.

If the Committee sees fit to consider the petition seriously, it is probable that discussion will wage warm at the meeting when it is formally discussed. Of course, there are points to be raised on both sides. The women would lend a genteel air to the occasion and might tend to make it even dignified, but then as we comprehend it, the Circus is not a particularly dignified gathering. They might even cooperate to the full extent of their abilities, but would their efforts be in keeping with the spirit of the affair? Finally, is the presence of the coeds wanted? The last is what must be settled, we'll venture that the women will have to have their own Circus.



It used to be bad enough coming from the Massachusetts Institute of Technology, without adding any other complications to it, but now we have to remember if it's the School of Science, or Architecture, or whatever. This, we suppose, is to provide something for those people who come from the good old Massachusetts Institute of Technology to alibi about. You know, "Oh yes, indeed, M. I. T., but it's quite different from the regular college, of course." And then comes the superior look of scorn, the raising of the eyebrows and the supercilious shrug of the shoulders. Personally we'd rather be just a big rugged engineer from the Massachusetts Institute of Technology, but—anything for erudition, or ersatz, as his Right Honorable Highness, Professor Rogers, would insist, so to speak.

This will also complicate the cheering situation. No one has yet had the genius to think of anything appropriate to rhyme with "Ray, rah, Massachusetts Institute of Technology," let alone "Ray, rah, Massachusetts Institute of Technology, School of Engineering, School of Engineering."

The Lounger wandered into the new Spectroscopy Laboratory, or Spec Lab, if you happen to be a Course Eighter, to watch people twiddle with the gadgets and make momentous discoveries with all the twilight gratings, or whatever they are, but alas, it reminds us more of the tombs of Corinth or something. Life is futile. Now there is nothing more to look forward to except the next *Saturday Post* and that hole that ought to appear in the seat of the trousers.

Well, there's one advantage to having a hole in the pants. It will relieve the monotony of the shiny spot that has been its predecessor for the past two months.

As we sat and peered idly at the keys a most delightful little bird perched upon the carriage (who says spring isn't here?) and spilled the following: The latest statistics point to a net profit of between one hundred fifty and three hundred dollars on the Sophomore Dance.

My pleasant little magpie also whispers disconcerting news concerning the Quadrangle Society. Something went wrong with the scrounging committee, so the members what are, wish the freshmen what is, wasn't. But not a word, y'oonstand?

Word comes from the latest meeting of the Institute Committee, which just finished an all-time record for a twenty-minute sitting by voting "yes" to everything. Nothing good or bad can possibly come of this. A large-sized fight developed when somebody suggested the Committee go on record as opposed to a *Filter Paper* this year, which started another fight as to who publishes same. Then certain joint members of the interlocking directorate had a private scrap as to just how they had voted, pro or con, for the coming issue, which scrap waged hot until Ex-General Manager of the *Voo Doo*, Harper, placidly shamed all partisans into sheepish silence by proclaiming that it was his recollections that no one "knew" where this sample *Bally Hoo* originated, not even Harper.

And so the tumult and the shouting dies. Gently comes the dawn and the first murmurings of the new day. Once more the Lounger desists from his gossip mongering and rests back to see what the new *Voo Doo* board can do towards correcting that appalling negative dy-dx that is showing on the sales graph—Hey, look out—I didn't know it was loaded.

Honor System

The honor system at the University of South Carolina is about to be abandoned. The reason is the incoming freshmen. They learn to cheat in high school, and in college it is almost impossible to teach them differently.

Institute Men Don't Drink Much Confides Central Sq. Policeman

Harvard Boys Much Naughtier Is Startling Revelation Of Captain

After having braved the icy blasts of the March wind from Technology to Central Square, in search of the police records of any unfortunate students who had strayed from the straight and narrow, your correspondent returns empty-handed. Expecting to be coolly received by some very gruff individual, it was a pleasant surprise, after being jostled by several nondescript characters on their way out, to receive a warm greeting from the police captain.

In response to the question as to whether or not the police had very much trouble with students, the captain answered negatively. "Students are no different than anyone else," he said. "We've had little trouble with the men from Technology." Referring to drinking, he could not recall when he had run across a Technology man, drunk. He said, "Of course, I don't know how much drinking they do in private, it may be a little or a lot. But they don't seem to be a bunch that would do much drinking."

Students Not Much Trouble

On being asked if Technology students caused much trouble on street cars and other public conveyances, the following was forthcoming. "No, I can't say that we have. We've had a lot of trouble with Harvard students, coming home from the hockey games, but none with Tech men." Perhaps that is because Technology men never go to hockey games, or do they? It seems that a few of the boys from the school up the avenue must celebrate their victory or defeat by drowning their feelings of the evening, which usually results in trouble on the Boston-Cambridge subway. It might be advisable to build a separate passageway for them, thus preventing future trouble." Again speaking about students, the Captain said, "You'll find a lot of people, though, that are prejudiced against students, but that's mostly against Harvard students." The Captain might have been reading my mind.

Pretty Decent Bunch

Everything was summed up by the conclusion that the men from the Institute were a pretty decent bunch, and the suggestion that if there were any Technology men with police records, those records would be found upstairs in the office of the Chief of Police. "Thank you Captain, and goodbye."

It was easy enough to find the staircase which led to the floor on which the Chief's office was situated, but the office itself was another story. Perseverance conquereth all, however, and after having refused aid from the Welfare Department and an offer from the Registry to register any car I should happen to have, the Chief's office was finally discovered behind a huge wooden gate.

Second Officer Talks

The officer in charge was quite willing and eager to express his opinions. It seems

TECHNOLOGY MAKES MUCH OF OWN SOAP

Small Plant Produces 3500 Gallons Each Year

About four years ago, the Institute entered the soap business. Why? For economy, of course. Keeping Technology's floors clean requires more than three thousand gallons of a good, mild soap each year. Such soap, five years ago, commanded the scandalous price of \$1.25 a gallon. So the Chemistry Department was consulted. A bit of research discovered an entirely satisfactory formula which could be cheaply compounded with inexpensive equipment. The Institute then decided to make soap.

Now, every two months or so, a 500-gallon vat in Building 29 is filled with raw stock from a New York concern. Steam coils heat it up; an electric stirring device starts to operate; and Technology's midget soap works mingles its puny odor with the stench of Lever Brothers' great nearby plant. The result is the above-mentioned quantity of oleic acid base soap and some 500 gallons of olive and coconut oil hand-soap. The commercial price of soap has dropped to ninety cents a gallon; yet, the homemade product, which is just as good, costs only one third as much.

that he had this beat when Technology was in the process of construction, and he has always entertained fond memories of the place.

He had nothing but good things to say about the students and officials. He said that there were little things that do crop up occasionally, but he went on, "By Gawd, we've certainly got plenty of cooperation from the officials there. Everything that turned up has always been cleared up in no time."

Officer Commends Officers

Once started, the officer continued, "I think that you've got a wonderful outfit over there. Major Smith deserves a lot of credit for the fine manner in which things are handled. You have your private disturbances, but they're kept in your own territory. We don't interfere, because the officials don't want us to, and because you're not disturbing anyone. Of course, that's when you're not doing any considerable damage."

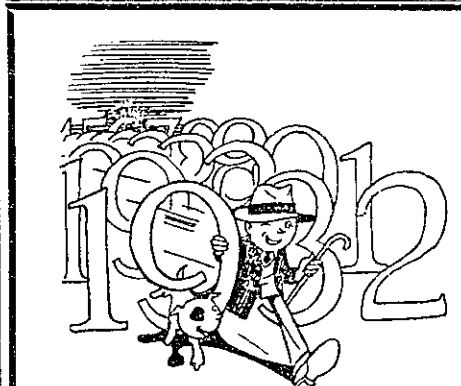
"Last year there were about twelve students arrested for drunkenness, disturbances, and the like, and none of these were Institute men. From appearances, however, the men from the Institute like their speeding, as there have been two cases of this sort already this year."

Speaks of "Naughty" Harvard

He stated that there was a lot of petty thievery going on, but admitted that it seems to be among ourselves. He also made numerous references to the "naughty" behavior of the Harvard boys, but revealed nothing very different from what the Captain had said. He, too, was of the opinion that he had "never met a finer bunch of fellows," and said that there seems to be a lot of good discipline at Technology.

While thinking of some new interrogation by which I might lead him to discuss some hidden crime of the Technology undergraduate, a hard-looking individual, who appeared almost hard enough to be a newspaper reporter, sidled into the room and began perusing the cases of the day.

Lydia Lee-Luncheon
Specials 40c-65c.
SERVED DAILY
Open 7:30 A. M. to 3:00 P. M.
136 MASSACHUSETTS AVENUE
Opposite Aeronautical Laboratory



Are you a budget-eer?

Then what better way to carry on for 1932 than by doing your "clothes allowance" a good turn, now?

The only way to figure clothes, of course, is their cost per year, or rather (if their label's R.P.) their cost per years!

You know the Rogers Peet reputation for lasting satisfaction.

Every suit, every overcoat in our current sale is from our regular stock.

\$25 now for suits that were \$35 to \$50.

\$35 now for suits that were \$55 to \$75.

\$28 now for "broken lots" of overcoats that were \$45 to \$65.

ROGERS PEET COMPANY
formerly
Macullar Parker Company
Tremont Street at Bromfield

Dorm Dance Will Be One Of Best Held In History

Sammy Liner And His Orchestra To Furnish Music For Tonight's Hop

With rumors flying about that somebody has left a small fortune to the Dormitory Dance Committee, it is not surprising to find a good deal of interest among the student body in the Dorms' depression dance tonight. Evidently we are just "rounding the corner," or at least the Committee seems to feel that way about it.

Little expense has been spared to make this dance as successful as other Dorm dances have been in the past. In spite of the cut-rate prices on the tickets, those who avail themselves of this unusual bargain will dance to the highest-priced orchestra the Dormitories have yet engaged.

Sammy Liner's music has entertained many at several colleges in the Boston area. He has been featured at the Metropolitan Theater and on several radio programs recently. In view of the fact that the Committee has secured so popular an orchestra, an unusually large attendance is expected at this affair.

TARBETT LECTURES FOR DELTA OMEGA

Functions Of Public Health Engineer Explained By Alumnus

"The Functions of the Public Engineer," his past, his present, and his future, formed the substance of the fifth annual Delta Omega lecture by Ralph E. Tarbett '05, Chief of the Engineering Section, U. S. Public Health Service, in Room 10-275, at 4 o'clock on Wednesday, March 9. The speaker was introduced by Professor Prescott of the department of Biology and Public Health and warmly welcomed by his audience.

Public Health Engineering is the science and art economically applied of controlling and modifying the environment and habits of animate matter for the health, comfort, and convenience of man, said Mr. Tarbett. Training in the fundamentals of engineering, in general, in sanitary engineering, in particular; in biology, in chemistry, in bacteriology, in epidemiology, and in public health administration is necessary for the public health engineer.

Traces History

From its beginnings with the study of water supplies in connection with typhoid fever in 1880, the history of public health engineering was traced in detail by Mr. Tarbett. Massachusetts, especially the city of Lawrence, he declared, was the cradle of public health engineering. In 1897 a full-time engineer was for the first time employed by a health board in Ohio. With the enactment of various regulations by Congress in 1913, the public health engineers took charge of the milk supply, of the shell-fish industry, of lighting and ventilation and municipal sanitation in many districts. By 1926, forty-two states employed one or two full-time engineers on their health staffs. Milk control was especially poor until the adoption of a sanitary milk code in 1923. A year later the control of the shell-fish industry was definitely taken over by the public health engineers.

Swimming pools, beaches, camps, and picnic grounds are today important centers of activity for the public health engineer, according to the statement of Mr. Tarbett. Extermination of pestiferous insects and rodents, treatment of sewage and industrial wastes so as to avoid pollution, softening of water, removal of iron and unpleasant tastes from water, industrial hygiene, elimination of industrial atmospheric pollution, noise regulation in large cities, housing and school equipment details — these are some of the many problems confronting public health engineers. Every community with a population of 50,000 should place an engineer on its health personnel, in the opinion of Mr. Tarbett.

A knowledge of psychology, declared Mr. Tarbett, is essential to the public health engineer, for the human equation is constantly entering into his work. The continual contact with the public adds zest and interest to the profession, he stated, and the personal gratification derived must at the present time serve as part payment for the services of the public engineer.

Deans of Newly-Created Institute Schools



PROFESSOR WILLIAM EMERSON
Dean of the School of Architecture



DR. VANNEVAR BUSH
Dean of the School of Engineering



DR. SAMUEL C. PRESCOTT
Dean of the School of Science

CHANGE IN ORGANIZATION CREATES FIVE NEW DIVISIONS

PROFESSORS BUSH, PRESCOTT, EMERSON, TO HEAD SCHOOLS

New Plan Is Culmination Of Changes Instituted Two Years Ago

(Continued from page one)

Architecture and architectural engineering will be administered under the School of Architecture.

Included in the School of Engineering will be aeronautical engineering, building engineering and construction, business and engineering administration, civil and sanitary, chemical, electrical, electro-chemical, fuel and gas, general, mechanical, mining and metallurgical, and naval architecture and marine engineering, and naval construction.

The Division of Humanities will include economics, English and history, general studies, hygiene, modern languages, and military science.

Dr. Bush Native of Everett

Dr. Bush is a native of Everett, Mass., the son of the late Rev. R. Perry Bush, for fifty years a clergyman in the vicinity of Boston. He was graduated from Tufts College in 1913, and in 1916 he was awarded the degree of Doctor of Engineering at Harvard University and the Institute.

Dr. Bush comes to his new position with a distinguished background in research and engineering education. He has been particularly interested in the design of scientific calculating instruments. For the development of the product integrator he was awarded the Levy Medal of the Franklin Institute in 1928. Recently he has won wide recognition for his design of an intricate calculating machine called the differential analyzer, which greatly increases the accuracy and speed of engineering calculations. Dr. Bush is also known for his contributions to the development of vacuum tubes and for his investigations in electric power transmission.

Joined Faculty in 1923

Dr. Bush was invited to join the Faculty of the Institute in 1923 to undertake a comprehensive study of the undergraduate curriculum in Electrical Engineering and to develop the most efficient methods of teaching in this field, working closely with Professor Dugald C. Jackson, head of the department. He has also been professor of Electric Power Transmission. His career as a teacher has been no less notable than his work in research, and he has been for some time in charge of graduate study and research in the department.

Early in his career, Dr. Bush held a position in the test department of the General Electric Company, and then returned to Tufts College as an instructor in Mathematics. Subsequently he was promoted to the grade of assistant professor of Electrical Engineering.

In 1917-18 Dr. Bush carried on important research in submarine detection for the special board on submarine devices of the United States Navy. He now holds the commission of lieutenant-commander in the U. S. Naval Reserve Forces. He is an enthusiastic yachtsman and during the

summer makes along-shore cruises on his yacht, the *Caribou*.

Is Consulting Engineer

Following the World War, he was consulting engineer for the American Radio and Research Corporation. He is a director of the Spencer Thermostat Company and of Raytheon, Incorporated.

Dr. Bush is a Fellow of the American Institute of Electrical Engineers, the American Academy of Arts and Sciences, and the American Physical Society. He is a member of the Society for the Promotion of Engineering Education, and of Alpha Tau Omega, Tau Beta Pi, Kappa Eta Kappa, and Phi Beta Kappa fraternities.

He is the author of "Operational Circuit Analysis," and joint author with Professor W. H. Timbie of "Principles of Electrical Engineering," one of the most widely-used books in its field.

Dr. Prescott Internationally Known

Dr. Samuel Cate Prescott, head of the department of Biology and Public Health, is internationally known for his distinguished work in the application of biology to industry. Some of his most important contributions have been concerned with the sanitary quality of foods and bacteriological control in the dairy and food-preserving industries. The first sustained research upon canning problems was begun by Dr. Prescott at the Institute in 1895.

Born in New Hampshire

Dr. Prescott was born in South Hampton, N. H., of old New England stock. After completing his early education at Sanborn Seminary, he entered the Institute and was graduated in 1894. He began his teaching career here under the distinguished leadership of Professor William T. Sedgwick, then head of the department of Biology. In 1900 Dr. Prescott

spent several months in postgraduate work in Berlin and Copenhagen. He returned and was made assistant professor in 1903, associate professor in 1909, and was promoted to the rank of professor in 1914. When Professor Sedgwick died in 1921, Dr. Prescott was made acting head of the department, and was appointed as permanent head in 1922.

Dr. Prescott is a Fellow of the American Association for the Advancement of Science and of the American Academy of Arts and Sciences. He is a member of the American Chemical Society, the American Society of Naturalists, the Society of Chemical Industry, and the American Public Health Association. He is a member and past president of the Society of American Bacteriologists and of the Technology Alumni Association. He is a member of the University and City Clubs of Boston and of the Chamber of Commerce.

Professor Emerson Had Distinguished Career

Professor William Emerson came to the Institute in 1919 as professor and head of the department of Architecture, following a distinguished architectural career in New York. In his professional work in

BOXERS LEAVE FOR BATTLE WITH N.Y.U.

Forced to practise out of doors because their roost, the Hangar Gym, is being used by the participants in the Technology Interscholastic Basketball Tournament, the varsity and freshman boxing teams are doing their utmost to mould themselves into shape. Being somewhat unaccustomed to the harsh March weather which New England has been presenting the last few days, the majority of the fighters have spent most of their training time acclimating themselves to a brisk Nor'wester. It is hoped, however, that the men will be in the pink of condition when they depart for New York tonight.

Waiting in New York for the Institute representatives will be members of Technology's more than formidable adversary, New York University.

New York from 1901 to 1918 he specialized in the design of bank buildings and model tenements. He is widely known for his contributions to architectural education as chairman of the educational committee of the American Institute of Architects.

Professor Emerson is a native of New York City, and was graduated from Harvard University in 1895. He then studied at Columbia University for two years, and from 1897 to 1901 attended L'Ecole des Beaux Arts in Paris.

Served as Major in Red Cross

He served as major and director of the American Red Cross Bureau of Construction in Paris from 1917 to 1919, and is a Chevalier of the French Legion of Honor.

Professor Emerson is a Fellow of the American Institute of Architects and a former president of the New York chapter. He is also a member and past vice-president of the Society of Beaux Arts Architects; a member of the Boston Society of Architects, and of Delta Kappa Epsilon fraternity. In 1928 he was elected an honorary member of the Harvard chapter of Phi Beta Kappa. Professor Emerson has been advisory architect for Radcliffe College since 1929.

Learn to Dance Quickly!
BALLROOM TAP EXHIBITION STAGE
Adult Beginners a Specialty
10 Expert Lady Instructors
1 PRIVATE LESSONS
LEARNER
DANCE 335 MASS. AVE. STUDIOS
Circle 9248
Lou Lerner teaching personally

JORDAN MARSH COMPANY
STORE for MEN
A Separate Store in a Separate Building

New Crepe and Foulard Ties

Each has resilient construction

85c

3 for \$2.50

STREET FLOOR — STORE FOR MEN

Opposite the new Waldorf Astoria

The SHELTON
Home of the famous swimming pool
at 49th and Lexington NEW YORK

When the Shelton opened (7 years ago) we began catering to college men and women. Gradually their patronage has increased; we feel safe in asserting that more students make the Shelton their New York home than at any club or other hotel. One reason for this is the free recreational features plus a desire to serve on the part of Shelton employees. Room rates have been greatly reduced. Rates from \$50 per month upward. A room from \$2.50 daily.

Club features (free to guests) are as follows: Swimming pool; completely equipped gymnasium; game rooms for bridge and backgammon; roof garden and solarium. Restaurant and cafeteria service at reasonable prices.

OFFICIAL BULLETINS OF GENERAL INTEREST

Colloquium

Electrical Engineering Department

Monday, March 14, and Tuesday, March 15, 2.00 p.m., Room 10-275

Dr. C. D. Hocker, Ceramics Apparatus Engineer, Bell Telephone Laboratories, will lead the colloquium which is to be on the subject "The Use of Some Ceramic Products in the Telephone Industry."

Open to Seniors, graduate students, Junior honors students and members of the instructing staff of the departments of Electrical Engineering and Physics.

C·A·L·E·N·D·A·R

Friday, March 11

4.30 p.m. — "X-Ray Scattering and Molecular Structure" lecture by Professor P. Debye in Room 4-270.

9.00 p.m. — Dormitory Dance in Walker Memorial.

Undergraduate Notices

PHOTOGRAPHIC SOCIETY

There will be a meeting of the M. I. T. Photographic Society on Friday, March 11, in Room 5-130, at 5 o'clock. Officers will be elected and arrangements for the mid-term exhibition of pictures made.

MUSIC ROOM RECORDS

It is requested that all records which have been borrowed from the Walker Memorial music room be returned at once. The music is now being catalogued and it is essential that all the records should be available.

A. E. S. GLIDER TO BE FINISHED SOON

New Ship To Take Place Of Old Faithful, "409"; Will Be Of Light Weight

Incorporating new principles of design and construction, the glider of the Aeronautical Engineering Society is rapidly nearing completion in Building 33. The two wing panels have been practically completed as well as the entire tail assembly.

The work completed so far comprises the major portion of the glider. The fuselage, which is to be made of very light welded steel tubing, will be left until the last. This is done because the work on this unit, although not necessitating much time, will have to be completed by an experienced welder.

The Society has been at work on this project since last November. The glider has necessitated a great deal of time and study on the part of the builders since the construction is of so radical a departure from the usual conventional methods of glider design. The principal change has been a new wing section, which will give strength as well as a minimum of drag. Other features have been incorporated and the finished product will undoubtedly be an advance in this form of aviation.

Those working on the glider hope to finish the construction by the spring vacation so that a number of flights can be made at this time. The work in progress now needs as much assistance as can be obtained from anyone interested in this form of aviation, if the glider is to be finished on schedule time. All those interested in this project are urged to come to Building 33 on Saturdays.

WILL PRESENT PAPER AT A. I. E. E. MEETING

Elwood Schafer '32, a student in Course VI-C and a Research Assistant at the Lahey Clinic, will talk on "Modern Applications of Electricity in Medicine," at the dinner meeting to be held by the M.I.T. Branch of A.I.E.E. in the North Hall of Walker Memorial on Tuesday, March 15. He will also lead the general discussion which is to follow. The meeting will begin at 6 o'clock.

Dinner tickets are 55 cents each and may be secured from any member of the Executive Committee or in Room 4-203 before Monday noon. All are invited to attend.

GYM TEAM WILL MEET DARTMOUTH

Abbott Back From Injuries; To Re-Enter Tumbling

After recently whipping the gymnastic teams of New York University and Temple in two successive meets, the Technology gym team varsity meets Dartmouth on their home floor. The meet will take place at Hanover tomorrow afternoon.

To date the Beavers have lost but one meet, at which the team from the Naval Academy downed them on their home floor in Walker. Aside from that fact, all scores have been on the Beavers' side.

So far the wearers of the Green have had varying luck in their encounters. They have downed Bowdoin, tied Springfield, and have lost to Princeton. Not much is known regarding the strength of the team as a whole, but it is rumored that there are several outstanding performers on it which are likely to make trouble for the men from Cambridge.

Ericson will probably come close to the Institute record which he made last week in the encounter with Temple in the rope climb event. He, together with Getting, are expected to reap the majority of points for the Beavers.

SCHOOL BASKETBALL TOURNAMENT STARTS

Lowell and Fitchburg Quintets Win First Two Games

Play started in the Eastern Massachusetts Interscholastic Basketball Tournament yesterday afternoon in the Hangar Gym at 3 o'clock, with Lowell High staging a great rally in the second half to overcome Lynn English by a 22-19 score. The losers, who were the favorites, outplayed Lowell for the greater portion of the game, but the latter team was unusually lucky in the last few minutes, and pulled out with the victory. Following this exciting contest, Fitchburg High, one of the two leading contenders in the Tournament, met Haverhill in a one-sided contest, leading by 22-4 at half time. Their final margin of victory was 39-11.

Following a dinner in North Hall, Salem faced New Bedford; and Brockton, the other favorite, was pitted against Rindge Tech of Cambridge. But these games were played too late last evening for their results to be obtained. Fitchburg, judging by their excellent play yesterday, should be one of the final contestants. Today the semi-finals will take place, with the two winners of yesterday afternoon meeting in one final, and last night's survivors fighting it out in the other. The finals, for the high school championship of Eastern Massachusetts, will be held tomorrow night in the Hangar Gym. Admission to outsiders is fifty cents; Institute students may gain admission by showing their Bursar's Cards.

Coach Henry P. McCarthy of the Engineer team, assisted by a large group of basketball experts, picked the eight quintets taking part in the tournament. Referees Kelleher, Hoyt, and Clark, who officiate at many Institute contests, are handling all the games.

FRESHMEN BEGIN P. T. COMPETITION

Ambitious freshmen who are substituting track for Physical Training have started their tryouts for the annual P. T. competition. This competition consists of eight track events, of which any one may be omitted by each contestant.

All scoring is done on the basis of the freshman records for the events. Points gradually work up from one or two for poor performances to 100 points for tying a record. Even more points can be made by breaking a record. The events included in the competition are the shot put, running broad jump, running high jump, 50-yard dash, 60-yard low hurdles, 440-yard dash, 880-yard run, and the mile run.

Last year's winner was Charles W. Hall, whose total score was 533 points. Hall was closely followed by Earl Lockhart with 517 points, and Walter Wrigley with 509 points.

If the coming week brings forth a little good weather, the present records may fall thick and fast.

W. M. HALL SPEAKS TO RADIO SOCIETY

Stressing the importance of the loud speaker in modern methods of sound production, Mr. William M. Hall of the Electrical Engineering Department headed the program of the Radio Society yesterday afternoon.



The SNOW TRAIN

Sunday, March 13
CANAAN, N. H.

Lv. BOSTON (No. Sta.) 8.30 A.M.
Lv. WINCHESTER 8.45 A.M.
Ret. Lv. CANAAN 9.50 P.M.

Trains park at Canaan Dining Service
For details phone Cap. 6000, Ext. 488

\$2.75
ROUND TRIP

B&M
BOSTON AND MAINE R.R.

MacDONALD & GOLDFARE Tailors

Formerly with Macular Parker Co.

73 TREMONT STREET, BOSTON

Fine Fabrics Tailored in Style

Prices Reduced in Keeping with the Times

Walton Lunch Co.

420 Tremont Street
629 Washington Street
30 Haymarket Square
6 Pearl Street
242 Tremont Street
1083 Washington Street
44 Scollay Square
332 Massachusetts Avenue
19 School Street
437 Boylston Street
1080 Boylston Street
34 Bromfield Street
540 Commonwealth Avenue
204 Dartmouth Street
105 Causeway Street

ALLSTON

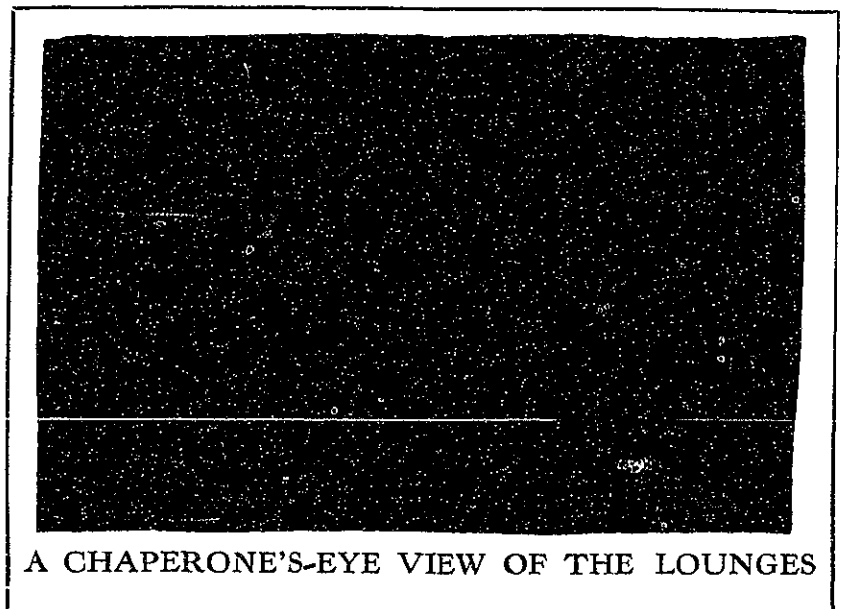
1215 Commonwealth Avenue

CAMBRIDGE

78 Massachusetts Avenue

★★★★★
FINAL!

★★★★★
FINAL!



A CHAPERONE'S-EYE VIEW OF THE LOUNGES

"Let There Be Light"—

Bellowed the Managing Editor, and the flash of a THE TECH photographer burst the gloom. Angry males charged the reporter — but the camera does not lie. The intimate scenes revealed will provide nourishment to the sex-starved students of the Institute.

THE TABLOID EDITION OF THE TECH

ON SALE AT THE JUNIOR PROM

HOTEL KENMORE BARBER SHOP

Very Convenient 490 COMMONWEALTH AVENUE
For Fraternity Men AT KENMORE SQUARE